

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number  
**WO 2005/054295 A2**

(51) International Patent Classification<sup>7</sup>: **C07K 16/00**

(21) International Application Number:  
PCT/EP2004/013854

(22) International Filing Date: 6 December 2004 (06.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03028144.8 5 December 2003 (05.12.2003) EP

(71) Applicant (for all designated States except US): **MULTI-MMUNE GMBH** [DE/DE]; c/o Klinikum der Universität zu Regensburg, Franz-Josef-Strauss-Allee 11, 93053 Regensburg (DE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MULTHOFF, Gabriele** [DE/DE]; Kirchenstrasse 17c, 81675 München (DE).

(74) Agent: **MÜLLNER, FOTTNER, STEINECKE**; P.O. Box 31 01 40, 80102 München (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- without international search report and to be republished upon receipt of that report
- with (an) indication(s) in relation to deposited biological material furnished under Rule 13bis separately from the description

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: THERAPEUTIC AND DIAGNOSTIC ANTI-HSP 70 ANTIBODIES

(57) Abstract: Methods and compositions for the detection, prevention and treatment of infectious diseases, primary and metastatic neoplastic diseases, including, but not limited to human sarcomas and carcinomas are described. In particular, specific antibodies are provided, which are capable of binding an epitope of Hsp70 that is extracellularly localized on diseased tissue and cells, in particular on tumor cells and infected cells.



**WO 2005/054295 A2**